WARTIME PRODUCTS

Wunderlich Limited

$80

WARTIME ACTIVITIES

1939

FOR over 50 years the name WUNDERLICH has been synonymous with Building Materials — their design, manufacture and application.

In peacetime, the WUNDERLICH Metal-working Factories found ample scope in the production of stamped, pressed, wrought and cast metal-work, for use in the erection and ornamentation of all classes of buildings.

War — when it came in 1939 — did not find the WUNDERLICH organisation unprepared. WUNDERLICH Metal-working Factories were rapidly adapted to the production of war-time needs, and, from a small beginning, activities quickly gathered momentum until finally production was geared for total war on "an all-round-the-clock" basis.

As the illustrations in this brochure show, WUNDERLICH LIMITED'S contribution to the nation's requirements in this field was a distinct changeover from the manufacture of peace-time building materials to the production of essential components, including several involving highly skilled and precision work.

In placing on record the war-time activities of WUNDERLICH LIMITED in the Metal-working Industry, this brochure pays tribute to the Wunderlich Employees who were responsible for the carrying out of the task.

1945

WUNDERLICH LIMITED, MANUFACTURERS

WARTIME PRODUCTS OF WUNDERLICH LIMITED

- MOSQUITO AIRCRAFT COMPONENTS. 1,260 Compression Leg Assemblies, sufficient for 315 Mosquito Aircraft, manufactured to the exacting requirements of the De Havilland Aircraft Pty. Ltd.

- WIRRAWAY ENGINE COWLINGS. 600 Engine Cowlings to equip Wirraway Aircraft, fabricated to the order of the Commonwealth Aircraft Corporation Pty. Ltd.

- ALUMINIUM ALLOY CASTINGS. Thousands of heat-treated light metal Castings in various aluminium alloys, many CLASS 1 (X-RAY) specification, produced for De Havilland Aircraft Pty. Ltd. and the Department of Aircraft Production. Components of Vickers Anti-Aircraft Predictors, etc., also cast in aluminium alloy.

- CORRUGATED NESTING CANS. 50,000 Corrugated Metal Cans in 10, 16, 24 and 32-gallon capacities made for the use of U.S. Forces in Australia.

- STEEL PROJECTILE BOXES. 120,000 pressed steel Projectile Boxes for 25-pdr. gun ammunition manufactured to the requirements of the Australian Army.

- POWDER AND MAGAZINE CASES. 2,000 stamped and cast brass and aluminium Cases supplied to the order of the Royal Australian Navy.

- READY USE LOCKERS. Hundreds of heavy gauge welded steel Ammunition Lockers of various types manufactured for use by the Royal Australian Navy.

WARTIME PRODUCTS OF WUNDERLICH LIMITED

- CLOTHES LOCKERS. 2,000 pressed and welded steel Clothes Lockers supplied to the U.S. Naval Authorities. Lockers of similar type manufactured for use by the Royal Navy personnel on aircraft carriers.

- METAL FUNERAL CASKETS. 15,000 stamped and pressed Metal Caskets fabricated to the design and specifications of the U.S. Forces.

- PERFORATED CABLE PLATING. Thousands of lineal feet of Perforated Steel Cable Plating in various widths manufactured for use on war and merchant vessels.

- WIRELESS RECEIVER AND TRANSMITTER CASES. Fabricated in stamped and welded aluminium alloy to the design and specification of Amalgamated Wireless of Aust. Pty. Ltd.

- GLAZING BARS. Thousands of lineal feet of Metal Glazing Bars supplied for glazing roof structures of Defence buildings and factories throughout Australia.

- WASH-BASIN COMPONENTS. Fabricated in polished chromium-plated copper for installation in coastal defence vessels.

- MESS TRAYS, CAFÉTERIA TRAYS, NESTING TANKS, RADAR COMPONENTS, WARDROBES AND SIMILAR ITEMS (not illustrated) were manufactured to the requirements of the various Armed Forces.

LETTERS OF APPRECIATION

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF MUNITIONS

TELEPHONE: M 4771 M 5051
TELEGRAPHIC ADDRESS "DIRMAR MELBOURNE"
ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE DIRECTORATE NOT TO INDIVIDUALS.

GUN AMMUNITION PRODUCTION DIRECTORATE
M.L.C. BUILDING
305 COLLINS STREET
MELBOURNE C.1

HVM/EN.

24th February, 1944.

In Reply Quote

Mr. Reg. Taylor,
Manager and Director,
Wunderlich Ltd.,
Baptist Street
REDFERN. SYDNEY. N.S.W.

Dear Mr. Taylor,

As you are aware, the activities of this Directorate have been heavily curtailed over the last few months. Writer feels the time opportune to retire from the position of Director, and it is my intention to return to Commercial Enterprise early in March.

I would like to take this opportunity of extending to you my personal appreciation of your ready co-operation at all times, as without that assistance the results achieved must surely have been less satisfactory

Would you also be so kind as to extend to your Executives and Staff my appreciation of their very fine efforts over the past few years.

In my new activities I will continue to visit various States and look forward to a continuance of the friendly relationship which has developed.

Obviously, it is with regret that I leave the Ministry of Munitions, but as we all know war production is a temporary measure and must of necessity ease sooner or later. Personally, I feel we have all done the best job possible under difficult conditions.

With best personal regards.

Yours sincerely,

H. V. Hirls

(H. V. Hirls).
Director,
Gun Ammunition Production.

HEADQUARTERS
PROCUREMENT DIVISION
UNITED STATES ARMY SERVICES OF SUPPLY

A.P.O. 927.
14 August 1944.

PDDP -

R. Taylor, Esq., Managing Director,
Wunderlich Limited,
Baptist Street,
REDFERN, N.S.W.

Dear Sir,

It is a privilege as well as a duty, to take this opportunity of officially expressing my sincere appreciation, and that of my staff, for the splendid cooperation given by your company to the U.S. Army during the past two years.

I wish especially to commend Mr. R. Taylor for the generous assistance he has rendered us in the development and production of metal caskets and corrugated cans. He has made sincere efforts to help us over our difficulties and he has never hesitated in giving the U.S. Army the benefit of his experience.

Your firm has supplied us with large quantities of caskets and other material. Your deliveries have always been prompt and reliable and this is deeply appreciated, as it is necessary to have the required supplies and equipment delivered immediately they are needed. This service has truly played an important part in the furtherance of the war effort.

It has been a pleasure indeed, to deal with your company, and it is anticipated that future relations will continue in the same pleasant and gratifying channels.

Hugh B. Hester

HUGH B. HESTER,
Colonel, General Staff Corps,
Director of Procurement.

BOX 481 AA, G.P.O.
PHONE MU 1421

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF AIRCRAFT PRODUCTION
SYDNEY N.S.W.

August 29th, 1944

The Manager,
Messrs. Wunderlich Ltd.
Baptist Street,
REDFERN.

Dear Sir,

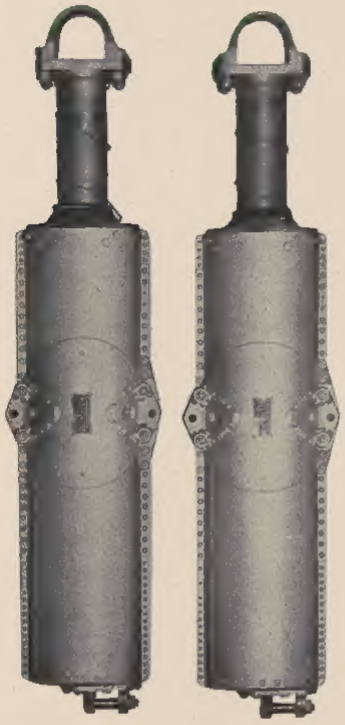
As a mark of my appreciation for the work you and your firm have put into the development and production of parts, which have enabled us to complete successfully, and on schedule, 700 Beauforts, you, or your representative, are cordially invited to attend the ceremony of the delivery and acceptance by the R.A.A.F. of A/C 700 on Thursday afternoon - at 2.30 p.m - at Marcot Main Assembly Plant.

After this brief ceremony you are invited to avail yourself of the opportunity to inspect the plant.

I hope to thank you personally for your contribution to this splendid war time job in which you have played such a vital part.

Yours very truly,

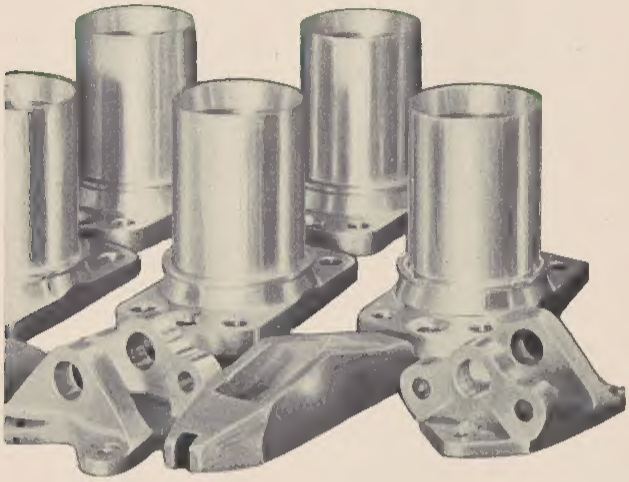
JOE STONEY
Director.



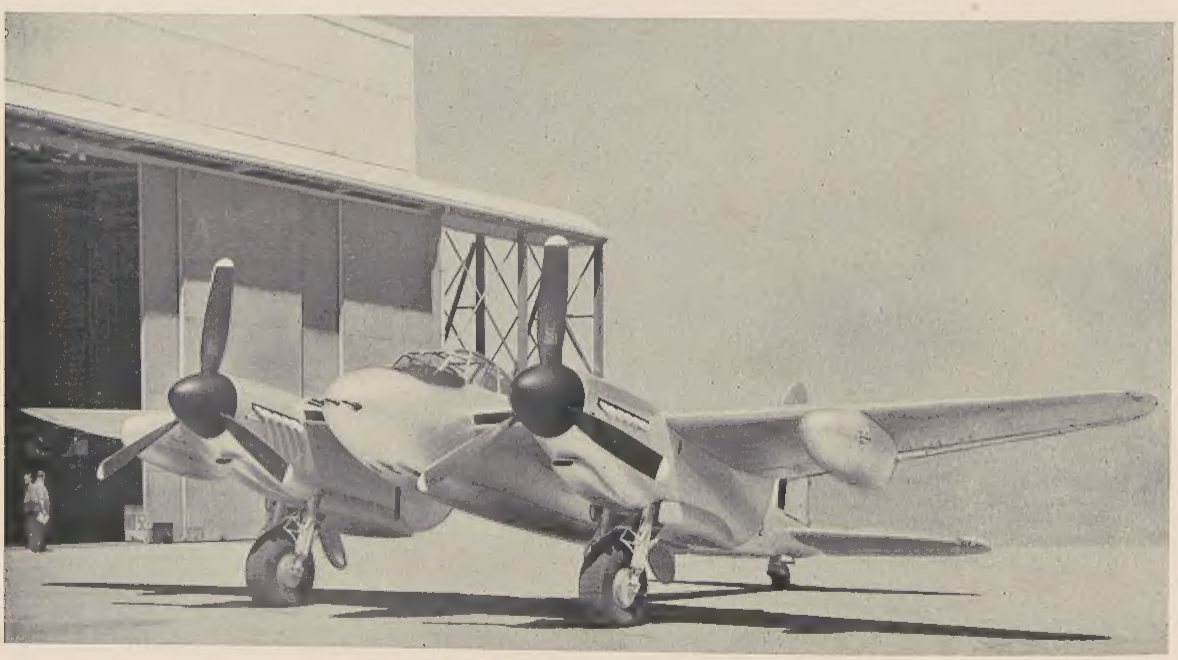
The fabrication of Compression Leg Assemblies for De Havilland Mosquito Aircraft Undercarriages entailed a radical departure from the normal production of building materials, and involved operations of stamping, pressing, engineering, sheet metal-working, welding, moulding, heat-treating and metal-finishing to exacting specification. As shown in the illustration on page 6, each Mosquito Aircraft requires four Compression Leg Assemblies — in all, sufficient were manufactured for 315 Mosquitoes. At left are illustrated two Compression Leg Assemblies.

Close-up view, showing two Compression Leg Assemblies in position on a Mosquito Aircraft.

AIRCRAFT COMPONENTS—MOSQUITO

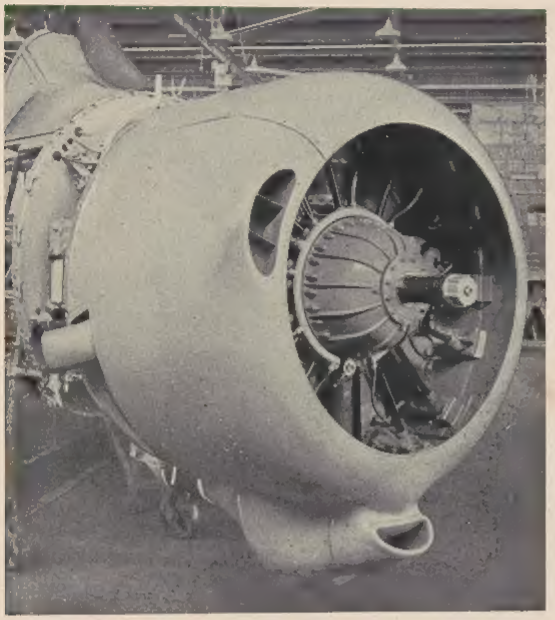


Machined Aluminium Alloy forged components of Compression Leg Assemblies.



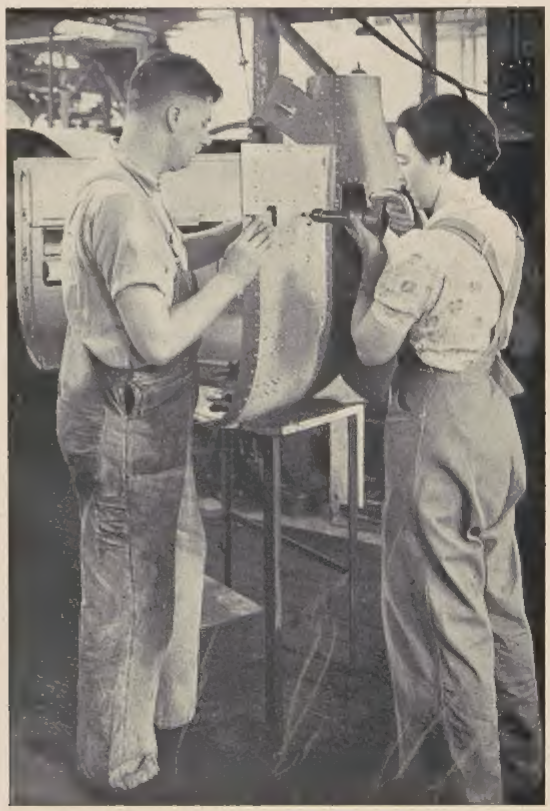
An Australian-made De Havilland Mosquito Aircraft prior to handing over to the R.A.A.F.

WUNDERLICH LIMITED, MANUFACTURERS



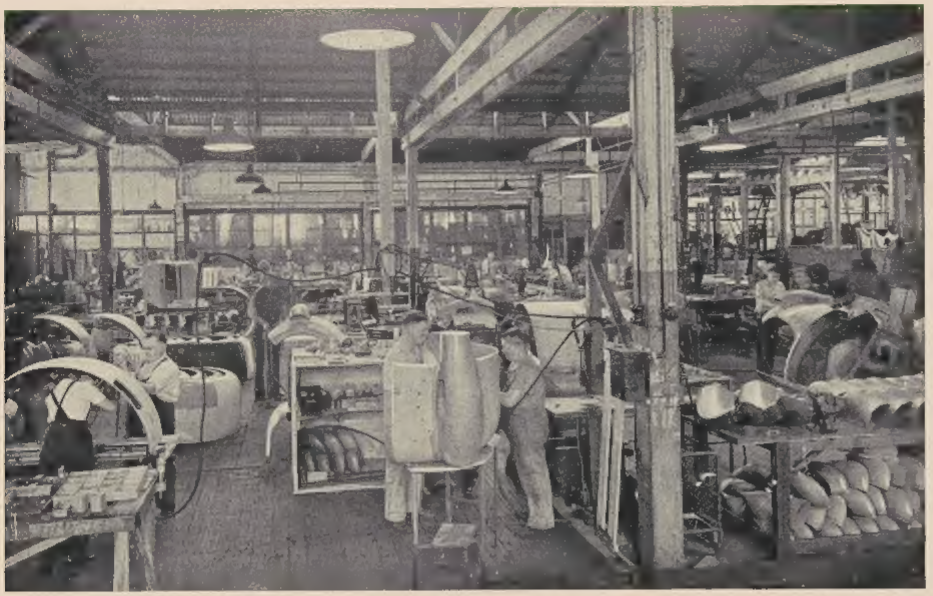
An Aircraft Engine Cowling in position at the Commonwealth Aircraft Corporation Plant.

Metal Stamping, the original Wunderlich Industry, played a major role in the production of Engine Cowlings for 600 Wirraway Aircraft Engines, to the order of the Commonwealth Aircraft Corporation Pty. Ltd. Subsequent operations included metal-working, welding and assembly to an exacting specification.

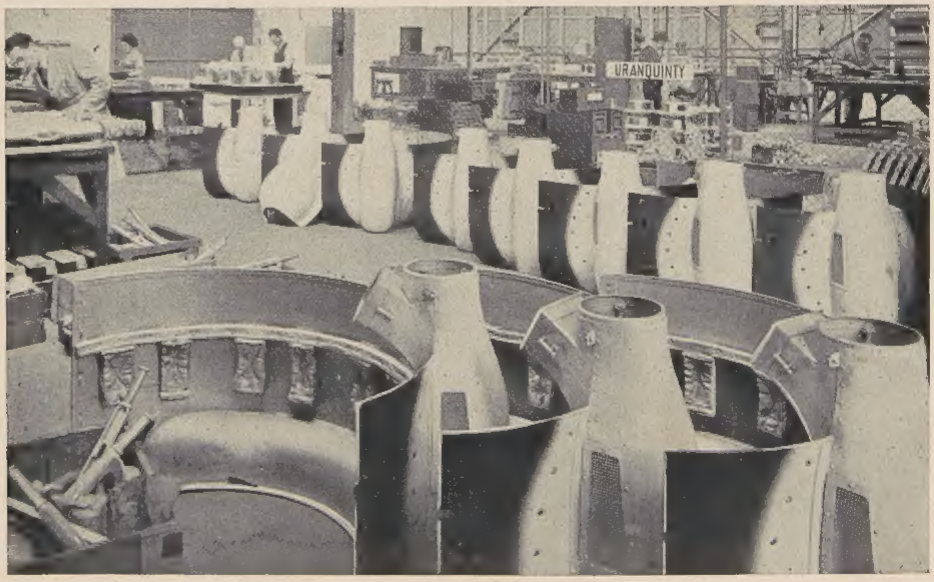


Riveting Stamped Components.

AIRCRAFT COMPONENTS—WIRRAWAY



General view of Assembly Area showing fabrication of Engine Cowlings for Wirraway Aircraft.

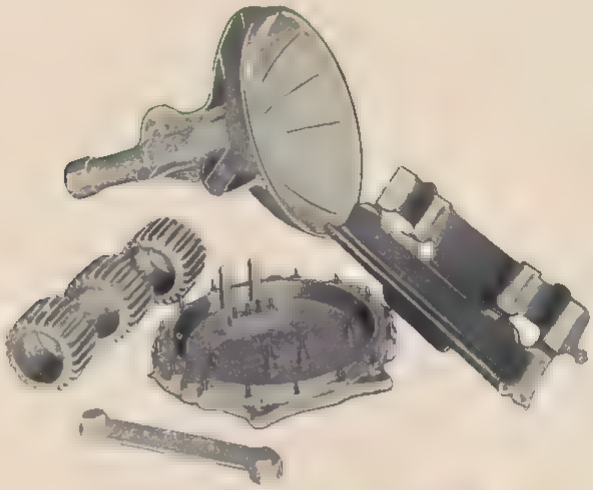


Completed Engine Cowlings awaiting inspection before delivery.

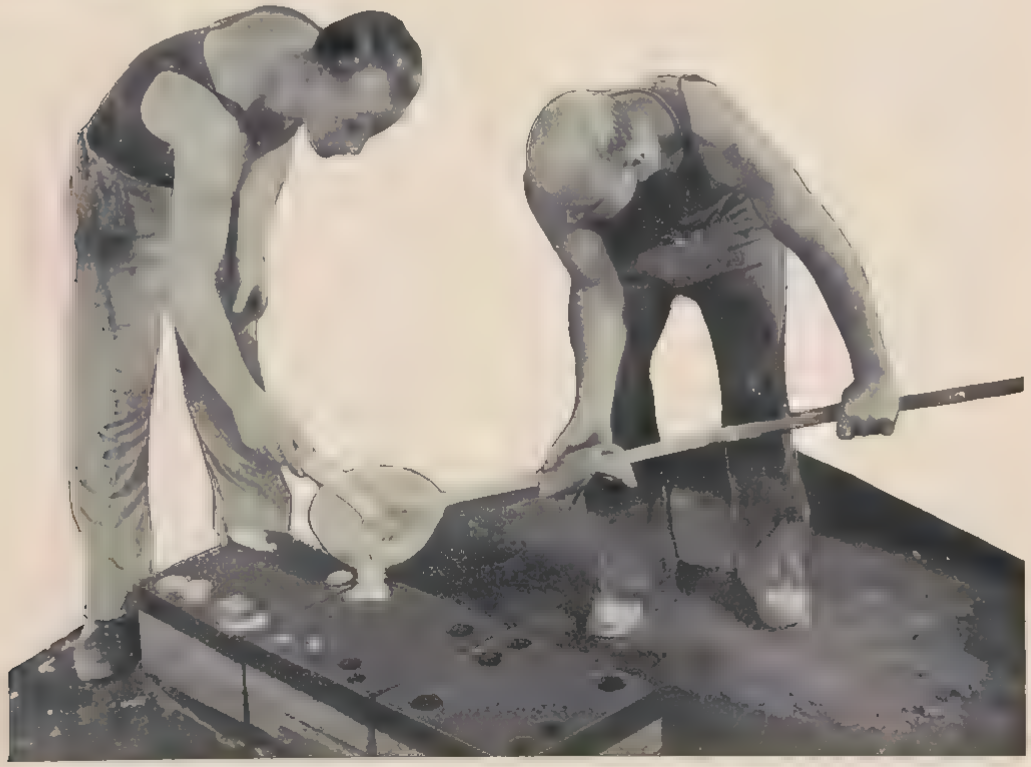
WUNDERLICH LIMITED, MANUFACTURERS

LIGHT METAL CASTINGS

(Aluminium Alloy)



Equipped for the casting of non-ferrous metals and specialising in aluminium alloys, the Wunderlich Foundry produced, to exacting specification, thousands of castings of Mosquito Aircraft, Radar and Vickers Predictor components. The availability of a modern heat-treatment plant permitted the heat-treatment of cast parts, as desired, whilst engineering facilities provided scope for the machining of the cast components.



WUNDERLICH LIMITED, MANUFACTURERS

LIGHT METAL CASTINGS

(Aluminium Alloy)

At left is a view of heat-treatment units. Below illustrates the final inspection of aluminium alloy castings.

WUNDERLICH LIMITED, MANUFACTURERS

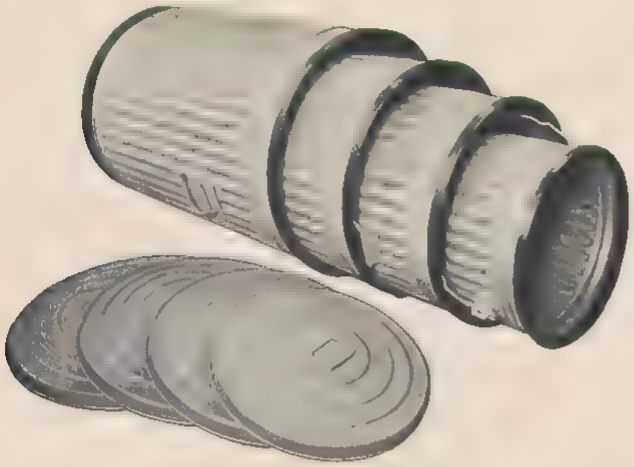
CORRUGATED NESTING CANS

Manufactured for the United States Forces, the heavy-duty all-purpose corrugated Metal Cans, illustrated below, comprise four sizes, viz.: 32, 24, 16 and 10 gallon capacities. Used for innumerable purposes, for the storage of foodstuffs, collection of waste, etc., etc., they are fabricated to withstand the hard use associated with active service conditions.

The Cans, over 50,000 of which were supplied, are designed for nesting together—see illustration on next page—to conserve space when stored or transported. With the exception of the mild steel reinforcing rings to base and rim, and the handles, they are formed of stamped 22-gauge sheet Zincanneal. These Cans are similar in design to the type that has been in use in U.S.A. for many years as a general utility can.

WUNDERLICH LIMITED, MANUFACTURERS

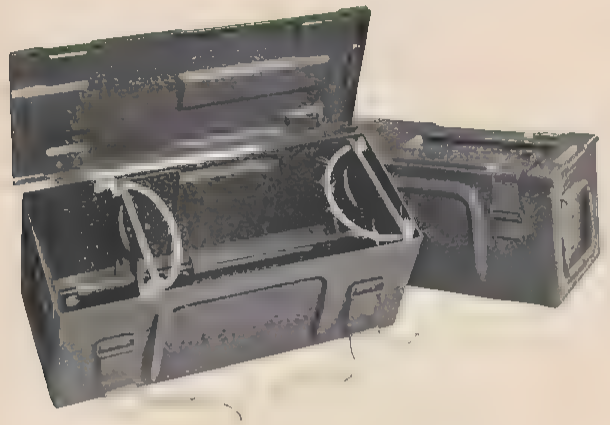
CORRUGATED NESTING CANS



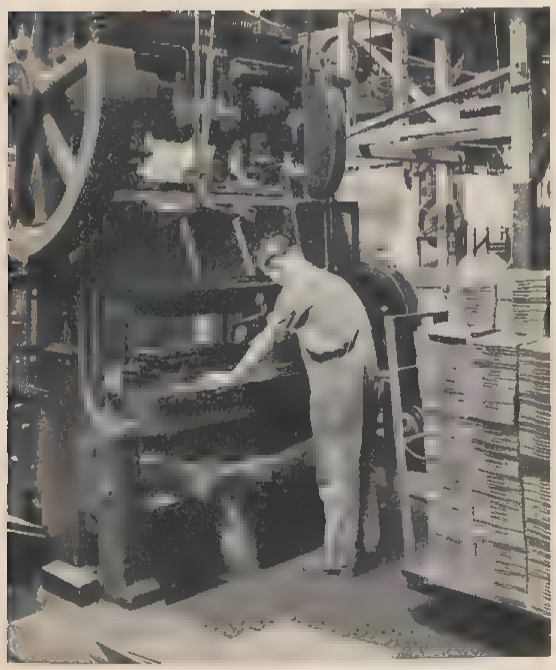
A view of the Cans, showing how the various sizes nest within each other. Note the mild steel reinforcement to rim and bottom of Cans.

Below is a general view of the Workshop Assembly Area.

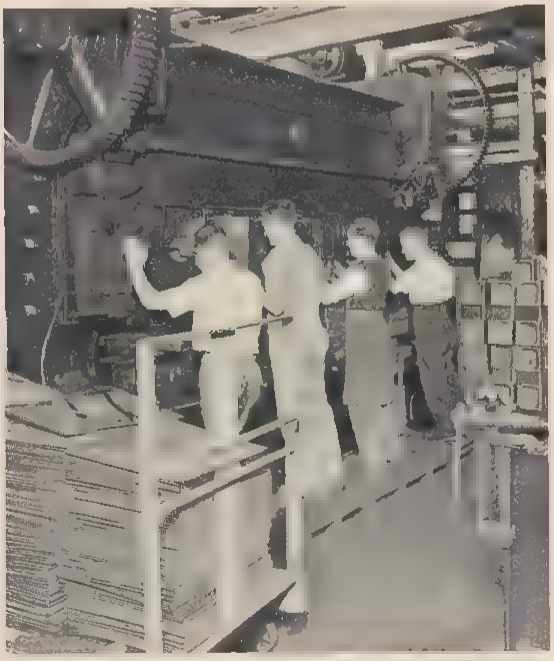
STEEL PROJECTILE BOXES



Illustrated at left are two of 120,000 pressed steel Projectile Boxes for 25-pdr. gun ammunition, manufactured to the requirements of the Australian Army. Their production, from 20-gauge steel, involved principally presswork and engineering operations, the complete units on assembly being stove-enamelled an appropriate colour.



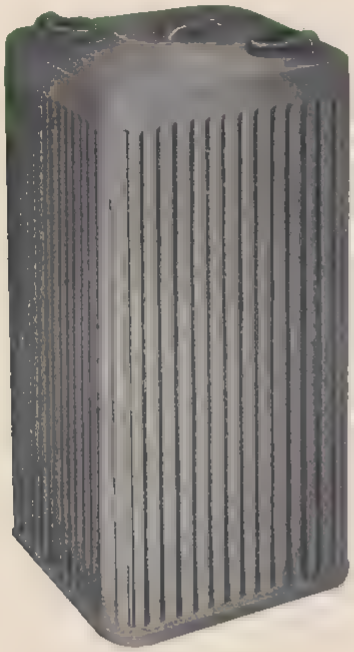
Pressing lids for Steel Projectile Boxes.



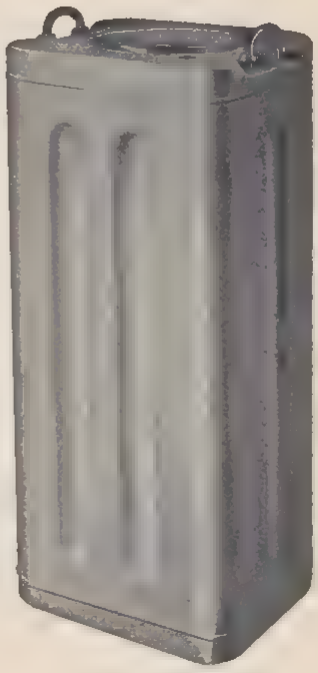
Pressing operation—Steel Projectile Boxes.

WUNDERLICH LIMITED, MANUFACTURERS

POWDER AND MAGAZINE CASES

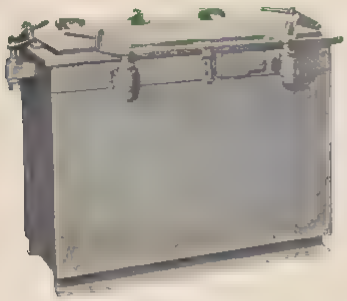


Stamped sheet brass forms the sides and bottom of this Powder Case, whilst the top is of cast brass. Manufactured by Wunderlich Limited for the Royal Australian Navy.

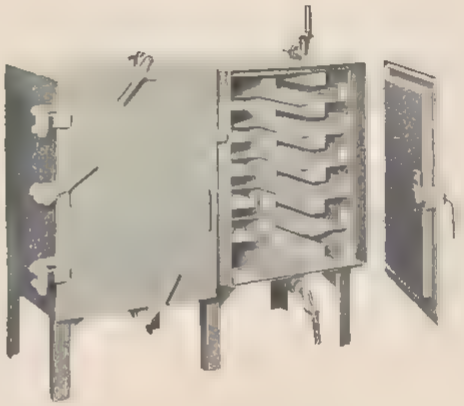


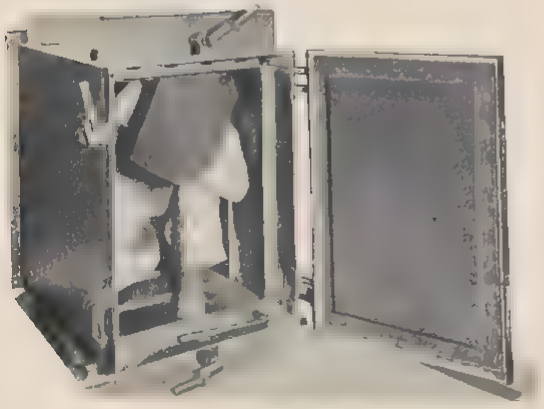
Stamped and cast aluminium Magazine Case manufactured by Wunderlich Limited for the Royal Australian Navy.

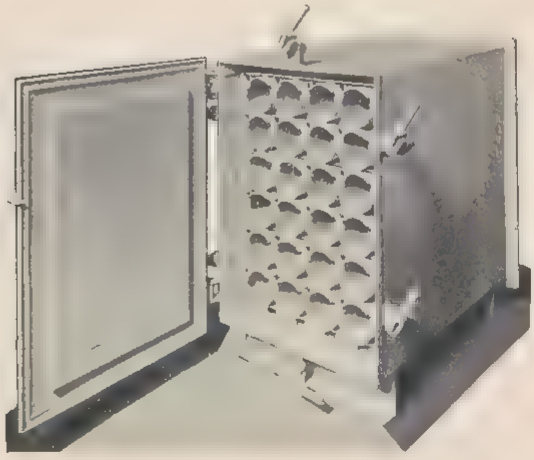
NAVAL AMMUNITION LOCKERS



Illustrated are some of the several types of Ready-Use Lockers supplied by Wunderlich Limited in large quantities to the Royal Australian Navy. Fabricated from heavy-gauge steel, welded construction, the units include interior fitments of steel and timber.





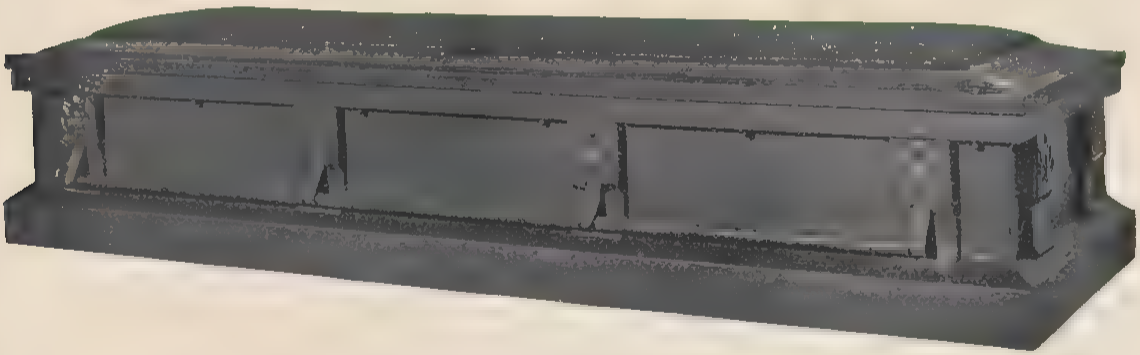


WUNDERLICH LIMITED, MANUFACTURERS

STEEL CLOTHES LOCKERS

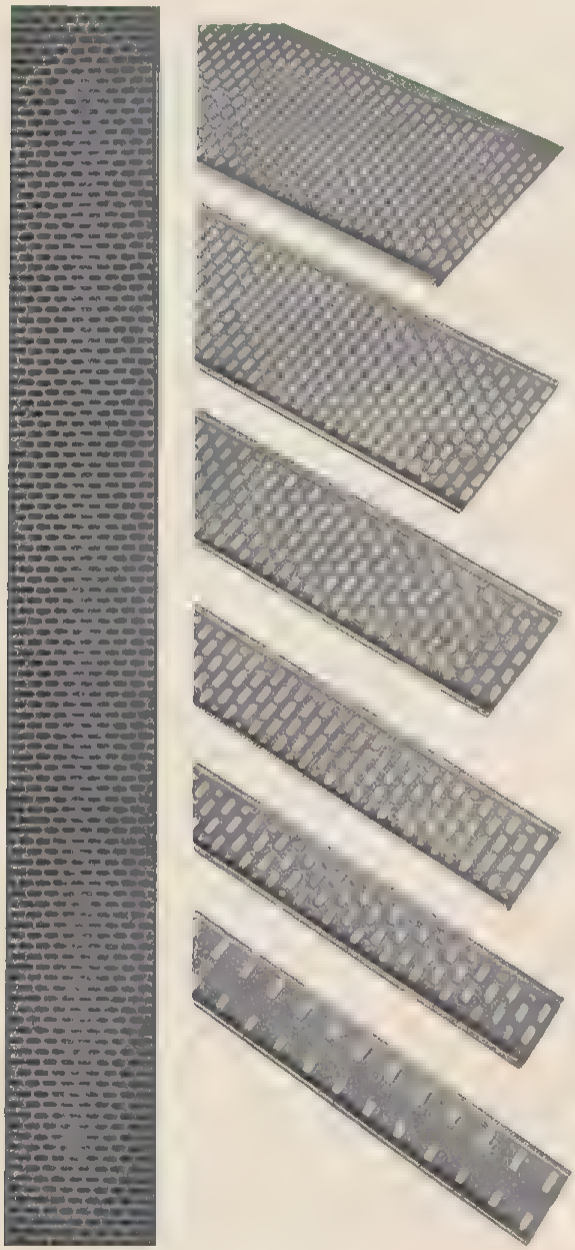
Fabricated from 22-gauge sheet steel and welded together, 2,000 Clothes Lockers to the design illustrated were supplied to the United States Navy. Ducoed white, the neat and hygienic units are fire resistant and withstand hard usage.

WUNDERLICH LIMITED, MANUFACTURERS

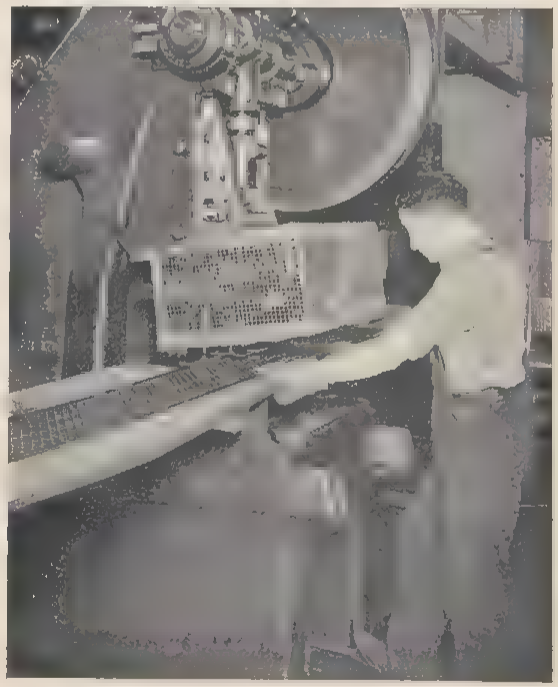


The use of metal in the fabrication of Funeral Caskets is in accordance with overseas practice. The units illustrated are to the design and requirements of the United States Forces; they are fabricated entirely by Wunderlich Limited of stamped and pressed sheet galvanised iron, welded together and spray painted.

PERFORATED CABLE PLATING



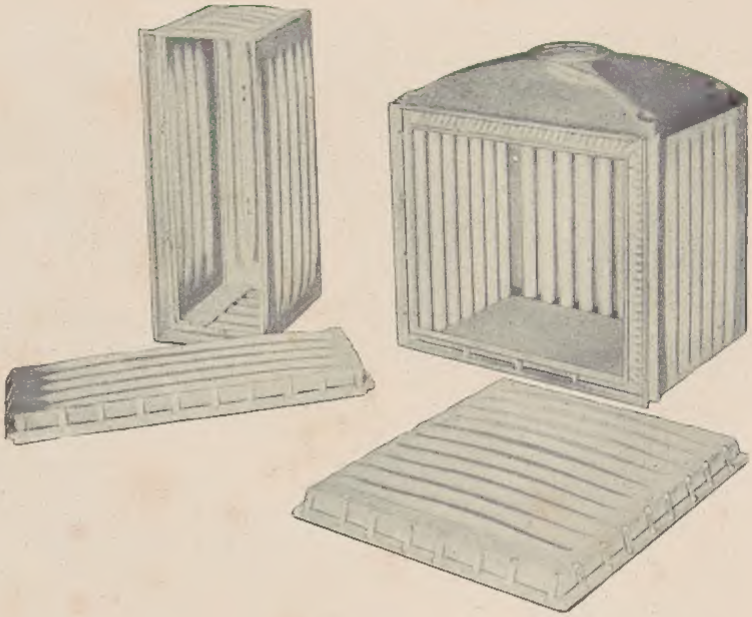
Required for use as a plating for anti-magnetic mine devices on war and merchant ships, quantities of the perforated Cable Plating as illustrated were supplied in 14-20 gauge sheet steel, in widths of 3" to 24", together with appropriate bends or angles.



Perforating steel for Cable Plating.

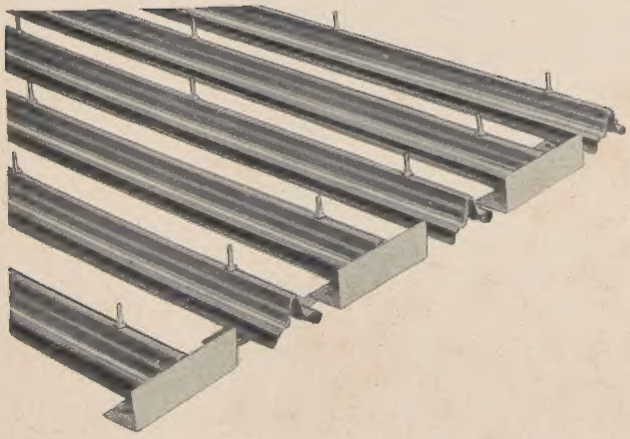
WUNDERLICH LIMITED, MANUFACTURERS

WIRELESS RECEIVER AND TRANSMITTER CASES
GLAZING BARS



WIRELESS RECEIVER AND TRANSMITTER CASES

Stamped and welded aluminium alloy Wireless Receiver and Transmitter Cases manufactured for Amalgamated Wireless (A'sia.) Ltd. The stamped corrugations permit the use of light metals where extremes of atmospheric pressure prevail.



GLAZING BARS

Thousands of lineal feet of metal Glazing Bars of various types (as detailed below) were supplied by Wunderlich Limited for glazing roof structures of Defence buildings and other factories and stores erected for the purpose of producing goods for war.

METAL WASH BASIN SETS

Illustrated are components of Wash Basin Sets supplied by Wunderlich Limited to the Royal Australian Navy for installation in Coastal Defence vessels. The stamped bowl is of chromium-plated copper.

WUNDERLICH LIMITED, MANUFACTURERS

WUNDERLICH
BUILDING MATERIALS OF QUALITY

Include

METAL PRODUCTS

METAL CEILINGS AND WALL LININGS.
METAL AWNING FASCIAS.
ARCHITECTURAL SHEET METALWORK.
CAST METALWORK (Architectural and Industrial)
HEAT-TREATED ALUMINIUM ALLOY CASTINGS.
PRESSED AND WELDED METALWORK (Industrial)
METAL WINDOWS, DOORS AND DOOR FRAMES.
PRESSED STEEL PARTITIONS.
STAINLESS STEEL SINKS AND DRAINERS.
MAIL CHUTES AND LETTER BOXES.
METAL LETTERS—CAST, AND ENAMELLED OR BUILT.
METAL NAMEPLATES AND MEMORIALS.
HONOUR ROLLS.
SHOPFRONT AND SHOWCASE MOULDINGS.
ROOF LIGHTS, LAY LIGHTS AND WALL LAMPS.
VENTILATORS, VENTILATING SHEETING.
METAL SKYLIGHTS, GLAZING BARS, CORRUGATED CANS, PERFORATED SHEETING, SNAP-ON MOULDINGS, ETC.

ASBESTOS-CEMENT PRODUCTS

"DURABESTOS" FLAT BUILDING SHEETS.
"DURABESTOS" COVER MOULDS AND ANGLES.
CORRUGATED "DURABESTOS" SHEETS.
"DURABESTOS" RIDGE CAPPING, GUTTERS.
DOWNPIPES, BARGE MOULDS, SKYLIGHTS.
ROOF VENTILATORS, ETC.
"DURATILE" WALL TILE SHEETING.

TERRA-COTTA PRODUCTS

ROOFING TILES AND SHINGLES.
ARCHITECTURAL TERRA-COTTA FAIENCE.
CERAMIC FACING.
TERRA-COTTA FIREPLACE SURROUNDS.
ENAMELLED FACE BRICKS.
COLORTEX BRICKS AND BRICKETTES.
STONEWARE PIPES AND FITTINGS.
PATERA ROUNDELS AND VASES, ETC.

WUNDERLICH LIMITED

MANUFACTURERS

SHOWROOMS AND OFFICES:

SYDNEY
Baptist Street, Redfern

SOUTH MELBOURNE
210 Hanna St. (near Sturt St.)

ADELAIDE
Cnr. Grote & Morphett Sts.

BRISBANE
108-110 Brunswick St., Valley

HOBART
Collins Street

LAUNCESTON
137 Cimitiere Street

★ Address Enquiries to nearest office.

NEWCASTLE: King Street (near Auckland Street)

PERTH ASSOCIATES: H. L. Brisbane & Wunderlich Ltd., Lord and Short Streets

M 106—1-7-1945—S. T. LEIGH & CO. PTY. LTD., SYDNEY.

WUNDERLICH
MANUFACTURES